

Recovery Plan Action Status

Plan Name: Recovery Plan for the Guajon or Puerto Rican Demon

Plan Status: Final

Plan Date: 24-Sep-04

Lead Agency: USFWS

Lead Office: Caribbean Ecological Services Field Office

(287)

851-7297)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Guajon (Eleutherodactylus cooki)	1	1	Conduct surveys within the known range of the species	Not Started			Puerto Rico Department of Natural and Environmental Resources, USFWS Regional Office 4, FWS, Caribbean Field Office, University Researchers	Research: Population Surveys	Contract, Internal Field Assistance	In coordination with DNER and universities
Guajon (Eleutherodactylus cooki)	1	10	Restore degraded habitats	Not Started			Private landowners, Puerto Rico Department of Natural and Environmental Resources, USFWS Regional Office 4, FWS, Caribbean Field Office, University Researchers, Other Local, Commonwealth and Federal agencies	Management: Habitat Maintenance and Manipulation, Management: Land Use, Other: Information and Education	Internal Field Assistance, Internal Technical Assistance, Volunteer	jointly with Commonwealth agencies and non-governmental organizations
Guajon (Eleutherodactylus cooki)	2	11	Assess feeding ecology	Not Started			Puerto Rico Department of Natural and Environmental Resources, USFWS Regional Office 4, FWS, Caribbean Field Office, University Researchers	Research: Other Information	Contract, Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	Jointly with government organizations and universities
Guajon (Eleutherodactylus cooki)	2	12	Assess movement patterns	Not Started			Puerto Rico Department of Natural and Environmental Resources, USFWS Regional Office 4, FWS, Caribbean Field Office, University Researchers	Research: Competition, Research: Migration, Research: Other Information	Contract, Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	Jointly with government organizations and universities

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Guajon (Eleutherodactylus cooki)	2	13	Evaluate the effects of introduced potential predators	Not Started			Puerto Rico Department of Natural and Environmental Resources, USFWS Regional Office 4, FWS, Caribbean Field Office, University Researchers	Management: Predator and Competitor Control, Research: Predation	Contract, Internal Field Assistance, Internal Technical Assistance, Species Expert	Jointly with government organizations and universities
Guajon (Eleutherodactylus cooki)	2	14	Evaluate the effects of native predators, competitors, parasites, and pathogens	Not Started			Puerto Rico Department of Natural and Environmental Resources, USFWS Regional Office 4, FWS, Caribbean Field Office, University Researchers	Management: Disease Control, Management: Predator and Competitor Control, Research: Competition, Research: Disease, Research: Population Surveys, Research: Predation	Contract, Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	In coordination with DNER
Guajon (Eleutherodactylus cooki)	2	15	Determine genetic variability and genetic flow among population	Not Started			Puerto Rico Department of Natural and Environmental Resources, USFWS Regional Office 4, FWS, Caribbean Field Office, University Researchers	Research: Genetics	Contract, Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert	In coordination with DNER
Guajon (Eleutherodactylus cooki)	3	16	Monitor effects of atmosphere phenomena on guajon populations	Not Started			Puerto Rico Department of Natural and Environmental Resources, USFWS Regional Office 4, FWS, Caribbean Field Office, University Researchers	Research: Habitat Status, Research: Other Information, Research: Population Surveys	Contract, Internal Field Assistance, Species Expert, Volunteer	In coordination with other government agencies
Guajon (Eleutherodactylus cooki)	3	17	Monitor the use and effect of agrochemicals	Not Started			Private landowners, Puerto Rico Department of Natural and Environmental Resources, USFWS Regional Office 4, FWS, Caribbean Field Office, University Researchers, Other Local, Commonwealth and Federal agencies	Management: Habitat Maintenance and Manipulation, Management: Land Use, Other: Information and Education, Other: Regulations, Research: Environmental Contaminants	Internal Field Assistance, Species Expert	In coordination with other government agencies

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Guajon (Eleutherodactylus cooki)	3	18	Assess target audiences	Ongoing Current	FY 2006	FY 2011	Private landowners, Puerto Rico Department of Natural and Environmental Resources, USFWS Regional Office 4, FWS, Caribbean Field Office, University Researchers, Other Local, Commonwealth and Federal agencies	Other: Information and Education	Internal Administrative, Internal Technical Assistance	
Guajon (Eleutherodactylus cooki)	3	19	Develop an outreach campaign	Ongoing Current	FY 2000 - FY 2004	FY 2011	Private landowners, Non-governmental organizations, Puerto Rico Department of Natural and Environmental Resources, USFWS Regional Office 4, FWS, Caribbean Field Office, University Researchers, Other Local, Commonwealth and Federal agencies	Other: Information and Education	Internal Administrative, Internal Technical Assistance	
Guajon (Eleutherodactylus cooki)	1	2	Identify potential habitat for the species and search for new populations	Not Started			Puerto Rico Department of Natural and Environmental Resources, USFWS Regional Office 4, FWS, Caribbean Field Office, University Researchers	Research: Demographic Studies, Research: Habitat Requirements, Research: Habitat Status, Research: Population Surveys	Contract, Graduate Student, Internal Field Assistance, Internal Technical Assistance, Species Expert, Volunteer	In coordination with DNER
Guajon (Eleutherodactylus cooki)	3	20	Execute the Outreach Plan	Ongoing Current	FY 2000 - FY 2004	FY 2011	Private landowners, Non-governmental organizations, Puerto Rico Department of Natural and Environmental Resources, USFWS Regional Office 4, FWS, Caribbean Field Office, University Researchers	Other: Information and Education	Internal Administrative, Internal Technical Assistance	

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Guajon (Eleutherodactylus cooki)	3	21	Evaluate the effectiveness of the Outreach plan	Ongoing Current	FY 2000 - FY 2004	FY 2011	Non-governmental organizations, Puerto Rico Department of Natural and Environmental Resources, USFWS Regional Office 4, FWS, Caribbean Field Office, Other Local, Commonwealth and Federal agencies	Other: Information and Education	Internal Administrative, Internal Technical Assistance	
Guajon (Eleutherodactylus cooki)	3	22	Refine recovery criteria and determine what additional actions are necessary to achieve recovery criteria	Not Started			Private landowners, Non-governmental organizations, Puerto Rico Department of Natural and Environmental Resources, USFWS Regional Office 4, FWS, Caribbean Field Office, University Researchers, Other Local, Commonwealth and Federal agencies	Acquisition: General	Internal Administrative	
Guajon (Eleutherodactylus cooki)	1	3	Evaluate public lands that contain suitable habitat for the guajon	Complete	FY 2007	FY 2009	Puerto Rico Department of Natural and Environmental Resources, USFWS Regional Office 4, FWS, Caribbean Field Office, University Researchers	Management: General	Graduate Student	In coordination with other government agencies and private landowners
Guajon (Eleutherodactylus cooki)	1	4	Protect and manage public lands	Not Started			Non-governmental organizations, Puerto Rico Department of Natural and Environmental Resources, USFWS Regional Office 4, FWS, Caribbean Field Office, Other Local, Commonwealth and Federal agencies	Acquisition: General, Management: Land Use	Internal Administrative, Internal Technical Assistance	In coordination with other government agencies and private landowners

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Guajon (Eleutherodactylus cooki)	1	5	Prevent reduction of habitat by developing and implementing zoning regulations, and carefully evaluating development projects	Ongoing Current	FY 2000 - FY 2004	FY 2011	Puerto Rico Department of Natural and Environmental Resources, USFWS Regional Office 4, FWS, Caribbean Field Office, Other Local, Commonwealth and Federal agencies	Management: Habitat Maintenance and Manipulation, Management: Land Use, Management: Planning, Other: Administration, Other: Law Enforcement, Other: Regulations	Internal Field Assistance	Jointly with Commonwealth government agencies
Guajon (Eleutherodactylus cooki)	1	6	Establish and implement management plans that address concerns for the guajon and its habitat	Complete	FY 2000 - FY 2004	FY 2006	Non-governmental organizations, USFWS Regional Office 4, FWS, Caribbean Field Office, University Researchers, Other Local, Commonwealth and Federal agencies	Acquisition: General	Internal Administrative, Internal Technical Assistance	In coordination with other government agencies, non-governmental organizations, and private landowners. PR Conservation Trust manages critical habitat unit within the Panduras region, Yabucoa.
Guajon (Eleutherodactylus cooki)	1	7	Work with private landowners to protect and manage private lands	Not Started			Private landowners, Non-governmental organizations, Puerto Rico Department of Natural and Environmental Resources, USFWS Regional Office 4, FWS, Caribbean Field Office, Other Local, Commonwealth and Federal agencies	Acquisition: General, Management: Land Use, Management: Planning	Internal Administrative, Internal Technical Assistance	In coordination with private landowners and other government agencies
Guajon (Eleutherodactylus cooki)	1	8	Establish corridors and buffer zones of low human use, surrounding known and potential guajon habitat	Not Started			Private landowners, Puerto Rico Department of Natural and Environmental Resources, USFWS Regional Office 4, FWS, Caribbean Field Office, University Researchers, Other Local, Commonwealth and Federal agencies	Acquisition, Management: Land Use, Management: Planning	Internal Administrative, Internal Technical Assistance	In coordination with private landowners and other government agencies

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Guajon (Eleutherodactylus cooki)	1	9	Monitor and reduce human disturbance	Not Started			Puerto Rico Department of Natural and Environmental Resources, USFWS Regional Office 4, FWS, Caribbean Field Office, Other Local, Commonwealth and Federal agencies	Other	Contract, Internal Technical Assistance	